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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/672,062

09/29/2003

Yeon-Kyoung Jung

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01/13/2005

STAAS & HALSEY LLP

SUITE 700

1201 NEW YORK AVENUE, N.W.

WASHINGTON, DC 20005

EXAMINER

AULAKH, CHARANJIT

ART UNIT

PAPER NUMBER

1625

DATE MAILED: 01/13/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/672,062

Applicant(s)

JUNG ET AL.

Examiner

Charanjit S. Aulakh

Art Unit

1625

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-31 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☐ Claim(s) ____ is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☒ Claim(s) 1-31 are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

1. Claims 1-31 are pending in the application.

Election/Restrictions

2. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 1 and R1 represents alkylene of 1-20 carbon atoms, classified in class 548, subclass 950.
- II. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 1 and R1 represents an heteroalkylene of 1-20 carbon atoms, classified in class 548, subclass 952.
- III. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 1 and R1 represents arylene of 6-20 carbon atoms, classified in class 548, subclass 953.
- IV. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 1 and R1 represents an heteroarylene of 6-30 carbon atoms, classified in class 544, subclass 224.
- V. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 2 and R1

represents alkylene of 1-20 carbon atoms, classified in class 548, subclass 413.

VI. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 2 and R1 represents an heteroalkylene of 1-20 carbon atoms, classified in class 548, subclass 570.

VII. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 2 and R1 represents arylene of 6-20 carbon atoms, classified in class 548, subclass 566.

VIII. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 2 and R1 represents an heteroarylene of 6-30 carbon atoms, classified in class 548, subclass 517.

IX. Claims 1-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 3 and R1 represents alkylene of 1-20 carbon atoms, classified in class 546, subclass 22.

X. Claims 1-31, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 3 and R1 represents an heteroalkylene of 1-20 carbon atoms, classified in class 546, subclass 236.

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- XI. Claims 1-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 3 and R1 represents arylene of 6-20 carbon atoms, classified in class 546, subclass 192.
- XII. Claims 1-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 3 and R1 represents an heteroarylene of 6-30 carbon atoms, classified in class 546, subclass 207.
- XIII. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 4 and R1 represents alkylene of 1-20 carbon atoms, classified in class 540, subclass 542.
- XIV. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 4 and R1 represents an heteroalkylene of 1-20 carbon atoms, classified in class 540, subclass 609.
- XV. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 4 and R1 represents arylene of 6-20 carbon atoms, classified in class 540, subclass 611.
- XVI. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 4 and R1 represents an heteroarylene of 6-30 carbon atoms, classified in class 540, subclass 596.

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XVII. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 5 and R1 represents alkylene of 1-20 carbon atoms, classified in class 540, subclass 450.

XVIII. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 5 and R1 represents an heteroalkylene of 1-20 carbon atoms, classified in class 540, subclass 483.

XIX. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 5 and R1 represents arylene of 6-20 carbon atoms, classified in class 540, subclass 482.

XX. Claims 1, 3-8 and 10-25, drawn to A light resistant colorant obtained by coupling a colorant with compounds of formula (1) where n is 5 and R1 represents an heteroarylene of 6-30 carbon atoms, classified in class 540, subclass 480.

3. The inventions I through XX as defined above are patentably distinct, each from the other since they are structurally so divergent that a reference showing compounds of invention I would not render compounds of inventions II through XX prima facie obvious. Search required for e.g ; compounds of invention I in class 548, subclass 950 is not the

same search required for e.g ; compounds of invention IX in class 546, subclass 22 and therefore, constitutes a burdensome search.

4. A telephone call was made to the applicant's attorney, Ms. Darleen Stockley on Jan. 7, 2005 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

5. Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charanjit S. Aulakh whose telephone number is (571)272-0678. The examiner can normally be reached on Monday through Friday, 8:30 A.M. to 5:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Cecilia Tsang can be reached on (571)272-0562. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


Charanjit S. Aulakh
Primary Examiner
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